



S50JCK-EX SERIES

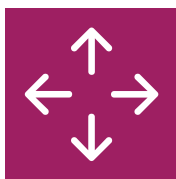
Heavy duty joysticks with ATEX/IECEx certified components



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S50JCK-EX JOYSTICK

Heavy duty joystick with ATEX/IECEx certified components

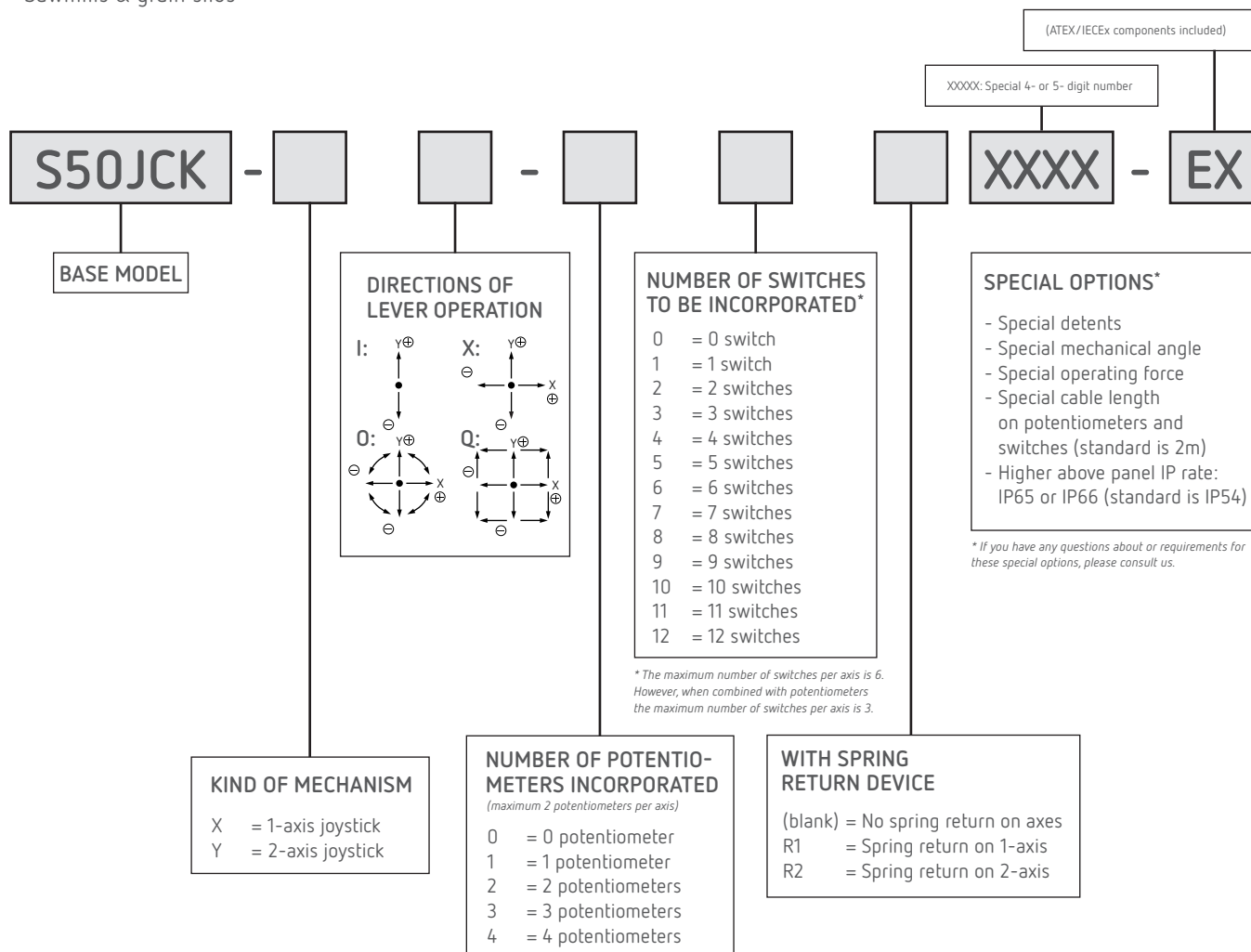
THESE JOYSTICKS COMBINE A HEAVY DUTY JOYSTICK DESIGN WITH ATEX/IECEx CERTIFIED POTENTIOMETERS AND/OR SWITCHES FOR INTRINSICALLY SAFE USE IN ZONE 1 OPERATIONS WITHOUT THE NEED FOR A GALVANIC BARRIER.

FEATURES

- Heavy duty design
- High precision control
- Long life expectancy of 5M+ cycles
- Customization for small quantities
- Standard configurations available from stock

APPLICATION AREAS

- Offshore cranes & winches
- Mining vehicles
- Painting platforms
- Chemical & process control systems
- Sawmills & grain silos



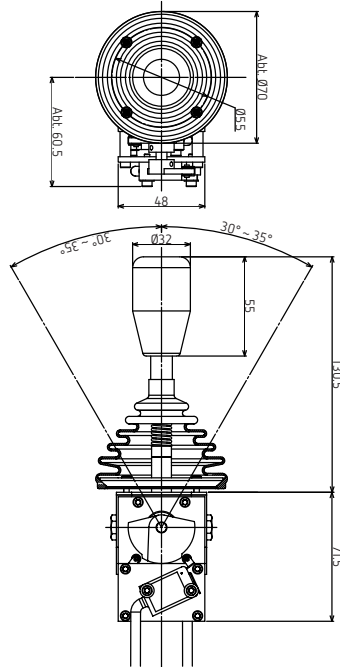
COMMONLY USED CONFIGURATIONS (1-AXIS)



S50JCK-XI-02R1G-8406-EX

FEATURES

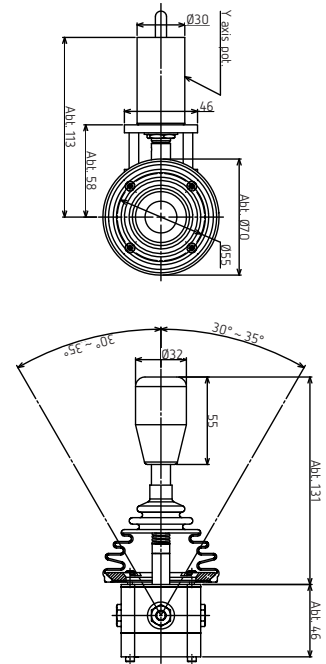
- 1-axis with spring return
- No potentiometers
- EEx directional switches (ON @ $\pm 5^\circ$)
- Standard knob
- Dust-proof rubber cover
- IP54



S50JCK-XI-10R1G-10953-EX

FEATURES

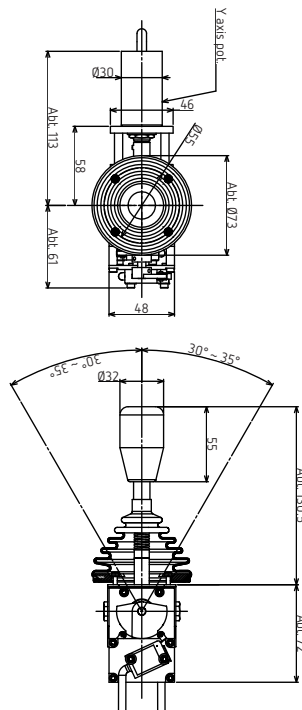
- 1-axis with spring return
- EEx potentiometer (10kOhm with center tap)
- No directional switches
- Standard knob
- Dust-proof rubber cover
- IP54



S50JCK-XI-12R1G-7962A-EX

FEATURES

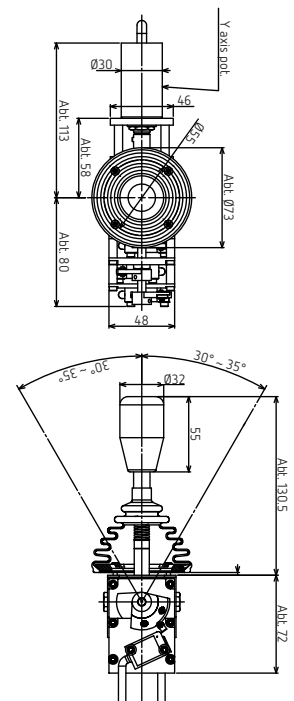
- 1-axis with spring return
- EEx potentiometer (10kOhm with center tap)
- EEx directional switches (ON @ $\pm 5^\circ$)
- Standard knob
- Dust-proof rubber cover
- IP54



S50JCK-XI-13R1G-10800-EX

FEATURES

- 1-axis with spring return
- EEx potentiometer (10kOhm with center tap)
- EEx directional switches (ON @ $\pm 5^\circ$)
- EEx center detecting switch (ON @ 0°)
- Standard knob
- Dust-proof rubber cover
- IP54



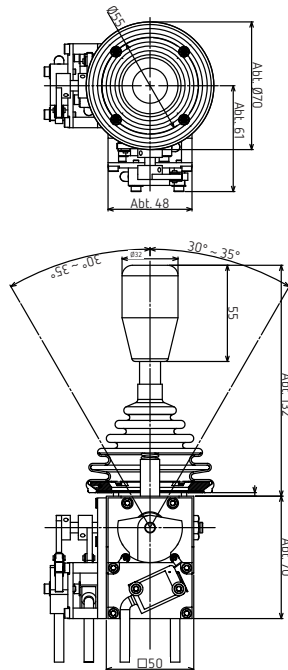
COMMONLY USED CONFIGURATIONS (2-AXIS)



S50JCK-YO-04R2G-10113-EX

FEATURES

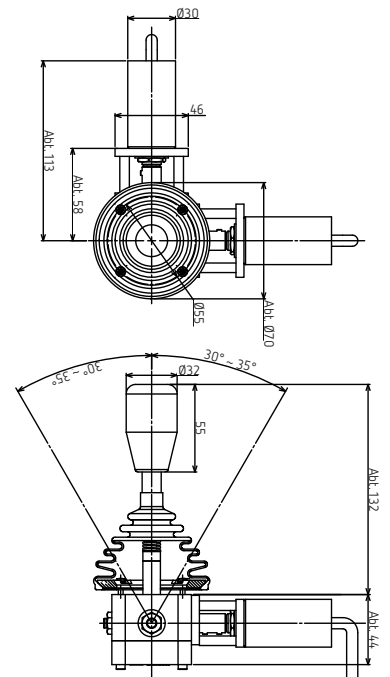
- 2-axis with spring return
- No potentiometers
- EEx directional switches (ON @ $\pm 5^\circ$)
- Standard knob
- Dust-proof rubber cover
- IP54



S50JCK-YO-20R2G-11048-EX

FEATURES

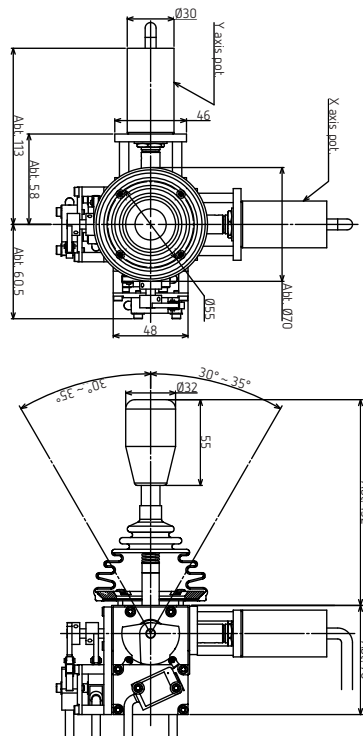
- 2-axis with spring return
- EEx potentiometers (10kOhm with center tap)
- No directional switches
- Standard knob
- Dust-proof rubber cover
- IP54



S50JCK-YO-24R2G-11367-EX

FEATURES

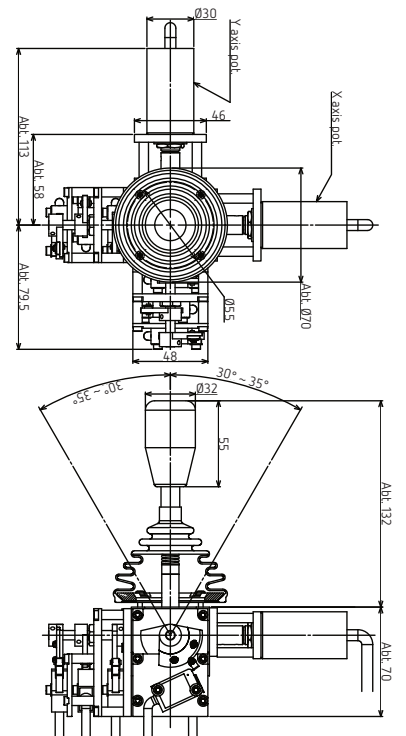
- 2-axis with spring return
- EEx potentiometers (10kOhm with center tap)
- EEx directional switches (ON @ $\pm 5^\circ$)
- Standard knob
- Dust-proof rubber cover
- IP54



S50JCK-YO-26R2G-11102-EX

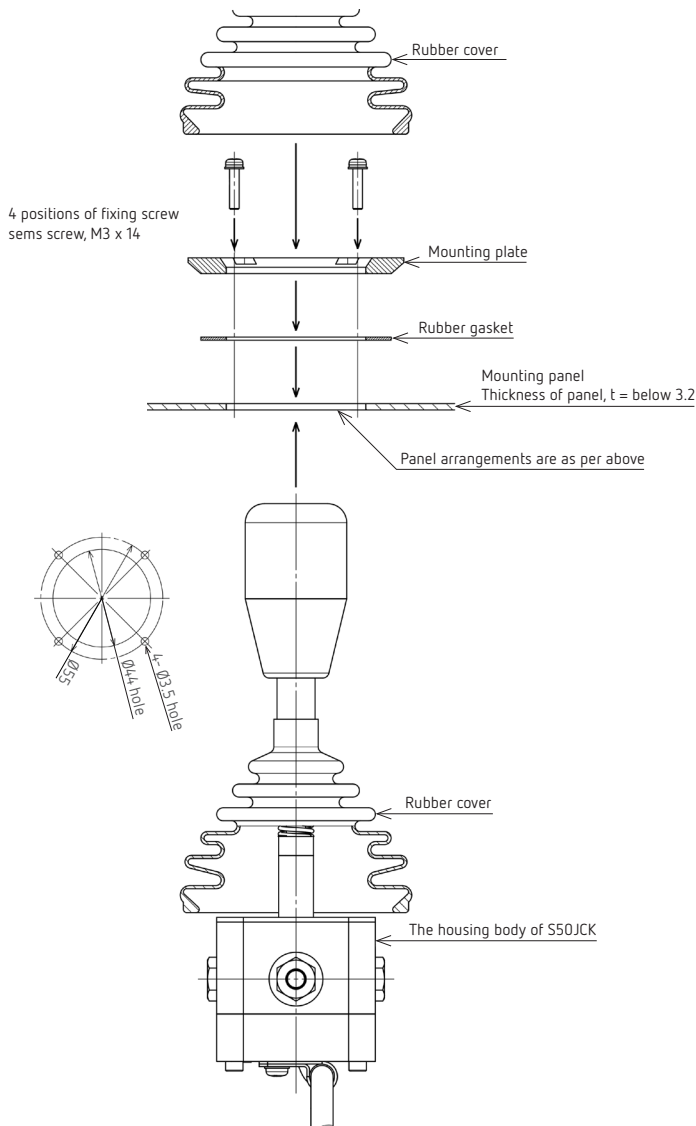
FEATURES

- 2-axis with spring return
- EEx potentiometers (10kOhm with center tap)
- EEx directional switches (ON @ $\pm 5^\circ$)
- EEx center detecting switch (ON @ 0°)
- Standard knob
- Dust-proof rubber cover
- IP54



MOUNTING OPTIONS

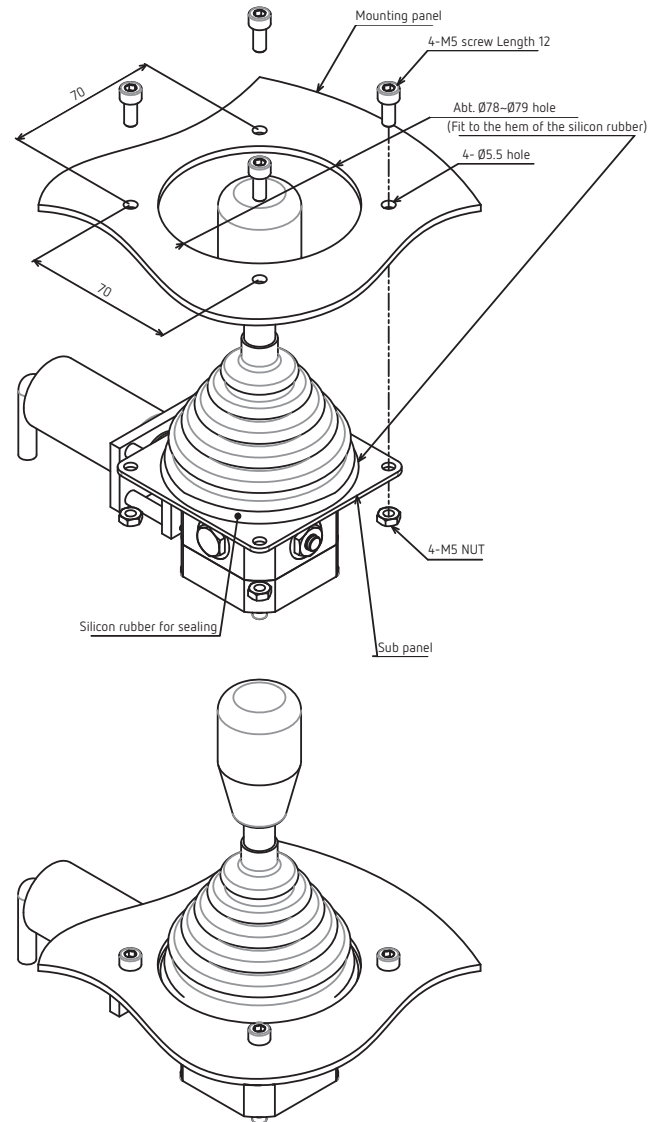
Without subpanel



HOW TO MOUNT JOYSTICK CONTROLLER

1. You can see the mounting plate when turning up rubber cover.
2. Remove the 4 positions of sems screw, M3 x 14 on mounting plate and then, remove mounting plate and rubber gasket.
3. As shown in the above illustration, mount them by 4 positions of sems screw, M3 x 14 to the mounting panel of your device, according to the order of the body of joystick, mounting panel and rubber gasket.
4. Finally, the rubber cover is covered to the mounting plate.

With subpanel



HOW TO MOUNT JOYSTICK CONTROLLER

1. You can see the mounting plate when turning up rubber cover.
2. Remove the 4 positions of sems screw, M3 x 14 on mounting plate and then, remove mounting plate and rubber gasket.
3. As shown in the above illustration, mount them by 4 positions of sems screw, M3 x 14 to the mounting panel of your device, according to the order of the body of joystick, mounting panel and rubber gasket.
4. Finally, the rubber cover is covered to the mounting plate.

EX CERTIFICATES FOR COMPONENTS USED

Potentiometers

	 BUREAU VERITAS		
			
(1)	EC-Type Examination Certificate		
(2)	Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 94/9/EC		
(3)	EC Type Examination Certificate Number	EPS 14 ATEx 1 696	Revision 0
(4)	Equipment:	Minisirel Control and Display Unit, type 07-6111..... and type 07-602.....	
(5)	Manufacturer:	BARTEC GmbH	
(6)	Address:	Masch-Eyth-St. 16, 97890 Bad Mergentheim, Germany	
(7)	This equipment and any acceptable variation therein are specified in the schedule to this certificate and the documents therein referred to.		
(8)	Rueure Veritas Consumer Products Service Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23 rd 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential report 13TCE117.		
(9)	Compliance with the Essential Health and Safety Requirements has been assured by compliance with:		
	EN 60709-2:2012	EN 60709-1:2007	
	EN 60707-1:2007	EN 60707-31:2009	
	EN 60709-11:2012		
(10)	If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use as specified in the schedule to this certificate.		
(11)	This EC-Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.		
(12)	The marking of the equipment shall include the following:		
		# 2S Ex de [n] IC TC T3, T5 zone T4 Gb # 2SD Ex de Ia Ib IIC TC T3, T5 zone T4 Gb # 2C Ex de IC TC or TS Gb # 2D Ex dp [n] IIC TC TC zone T85°C Dc # 2DD Ex dp Ia Ib IIC TC TC or T85°C Dc # 2C Ex dc IC TC or TC Dc # 2D Ex dc Ia Ib IIC TC TC or T85°C Dc	
			
	Certification Department Inspection Application	Türkmen, July 02, 2014	
	Dated: _____		
	Signed: _____		
	Certificate valid until expiry date. This certificate is allowed to be distributed only if not modified. Change or modification requires approval by Bureau Veritas Consumer Product Services Germany GmbH.		
	EPS 14 ATEx 1 Rev 0		

		IECEx Certificate of Conformity	
INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certificate Scheme for Explosive Atmospheres for rules and details of the IECEx Scheme visit www.iecex.com			
Certificate No.:	IECEx EPS 14.0042	Issue No. 0	Certificate history Issue No. 0 (2014-07-02)
Status:	Current	Page 1 of 3	
Date of Issue:	2014-07-02		
Applicant:	BAHTEC GmbH Max-Eyth-Str. 16 97960 Bad Mergentheim Germany		
Electrical Apparatus:	Minimiser Control and Display Unit type 07-61** and type 07-66C*		
Optional accessory:	remote panel		
Type of Protection:	by flameproof enclosure, increased safety, by enclosure "T", intrinsic safety		
Marking:	Ex d [II] IIC T8, T5 or T4 Gb Ex d e [II] IIC T8, T5 or T4 Gb Ex d e IIC T8 or T5 Gb Ex b [II] IIC T80°C or T95°C Db Ex b [II] IIC T80°C or T95°C Db Ex b IIC T80°C or T95°C Db		
Approval for issue on behalf of the IECEx	Dietmar Zitzmann		
Certification Body:	Manager Certification		
Precision:			
Signature: (for printed version)			
Date:			
1. This certificate and schedule may only be reproduced in full. 2. This certificate is not transferable and remains the property of the issuing body. 3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx website.			
Certificate issued by: Bureau Veritas Consumer Products Services Germany GmbH Bismarckstr. 456 59042 Tachenem Germany			
			

Switches



**BUREAU
VERITAS**



(1) **EG – Baumusterprüfung**

(2) Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen – Richtlinie 94/9/EG

(3) EG-Baumusterprüfungsnummer

EPS 14 ATEX 1 689 X

Revision: 0

(4) Gerät: Mikulair Endschalter Typ 07-2501.....*****

(5) Hersteller: BARTEC GmbH

(6) Anschrift: Max-Eyth-Straße 16
97890 Bad Mergentheim

(7) Die Bauart dieses Gerätes sowie die verschiedenen zulässigen Ausführungen sind in der Anlage zu dieser Baumusterprüfung festgelegt.

(8) Die Bureau Veritas Consumer Products Services Germany GmbH bescheinigt als Benannte Stelle Nr. 2004 nach Artikel 9 der Richtlinie des Rates der Europäischen Gemeinschaften vom 23. März 1994 (94/9/EG) die Erfüllung der grundlegenden Sicherheits- und Gesundheitsanforderungen für die Konzeption und den Bau von Geräten und Schutzsystemen zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen gemäß Artikel 8 der Richtlinie. Die Ergebnisse der Prüfung sind in dem vorliegenden Prüfbericht 12TH0605 festgelegt.

(9) Die grundlegenden Sicherheits- und Gesundheitsanforderungen werden erfüllt durch Übereinstimmung mit:

EN 60709-2:2012 EN 60709-1:2007

(10) Falls das Zeichen „C“ hinter der Prüfungsnummer steht, wird auf besondere Bedingungen für die sichere Anwendung des Gerätes in der Anlage zu dieser Bescheinigung hingewiesen.

(11) Dieses EG-Baumusterprüfungszeugnis bezieht sich nur auf Konzeption und Bau des festgelegten Gerätes gemäß Richtlinie 94/9/EG. Weitere Anforderungen dieser Richtlinie gelten für die Herstellung und das in Verkehrbringen dieses Gerätes.

(12) Die Kennzeichnung des Gerätes muss die folgenden Angaben enthalten:

 II 2G Ex d IIC T6, T5 (b) bzw. II 2G Ex db IIC T6, T5

Zertifizierungsstelle Explosionschutz:


 D. Zitzmann

Türkei, 30.07.2014



BUREAU VERITAS
Consumer Products Services Germany

Becheinigung über die Identität haben keine Gültigkeit. Diese Becheinigung darf nur unwiederholbar weitergegeben werden. Auszüge oder Änderungen bedürfen der Genehmigung von Bureau Veritas Consumer Products Services Germany GmbH. EPS 14 ATEX 1 689 X Rev. 0

Büroveritas AG, 68122 Frankfurt, Germany
089 454 50 50 70
089 454 50 50 70 70

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089 454 50 50 70 70

 		IECEX Certificate of Conformity
INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres		
for rules and details of the IECEX Scheme visit www.iecex.com		
Certificate No.:	IECEX EPS 14.00030X	Issue No: 0
Status:	Current	Certificate history Issue No: 0 (2014-08-20)
Date of Issue:	2014-08-20	Page 1 of 3
Applicant:	BARTECO GmbH Max-Eyth-Straße 16 87960 Bad Mergentheim Germany	
Electrical Apparatus: Optional accessory:	Miniature limit switch Type 07-2051.....**	
Type of Protection:	d - flameproof enclosure	
Marking:	Ex d IIC T6, TS Gb or Ex db IIC T6, TS	
Approved for issue on behalf of the IECEX Certification Body:	Dietmar Zitzmann	
Position:	Managing Director	
Signature: (for printed version)		
Date:		
1. This certificate and schedule may only be reproduced in full. 2. This certificate is not transferable and remains the property of the issuing body. 3. The Status and authenticity of this certificate may be verified by visiting the Official IECEX Website .		
Certificate issued by:		
Bureau Veritas Consumer Products Services Germany GmbH Businesspark A56 85642 Troisdorf Germany		
		



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Email: info@althensensors.se

2020-09-0001



Further information can be found at althencontrols.com